

The 2012/Present Jeep JK Wrangler comes with a new vacuum assist or pump which is located on the driver side frame rail and just behind the front bumper. For the most part, there's nothing wrong with where it's placed but, with an ACE bumper the canister needs to be relocated below the existing bracket.

**What you will need:**

- 10mm, 16mm and 18mm socket
  - 3/8" wrench
  - Ratchet
- 3" Ratchet extension
  - Phillips screwdriver
- Small & Large flathead screwdriver
  - Prybar
  - Needlenose pliers
- Dremel rotary tool with cutoff wheel, or Air Grinder

**Front Bumper Removal:**

**NOTE:** For the most part, removing the factory bumper is still pretty much the same from 07-11 JK's and so, the initial steps on this write-up have been recycled from a previous one I did for our white JK.

1. Begin the removal of your JK's front bumper by unscrewing the 4 plastic screws securing the factory air dam to the bottom of your front bumper. A phillips screwdriver will be needed for this job.



2. Once unscrewed, you should be able to pull out both the plastic screw and insert with little effort but if you find that your screws are just spinning (as several of mine did), you will need to wedge a flathead screwdriver or small pry bar between your JK's plastic bumper and air dam to help you force it out as shown in this photo.



3. Now, climb under the front of your JK and using a phillips screwdriver, remove the remaining 2 plastic screws securing the air dam to the lower cross member. As before, if these screws just spin in place, use a flathead screwdriver or small pry bar to help you force them out. Your air dam should now be free of your Jeep and it can now be discarded as it will no longer be needed.





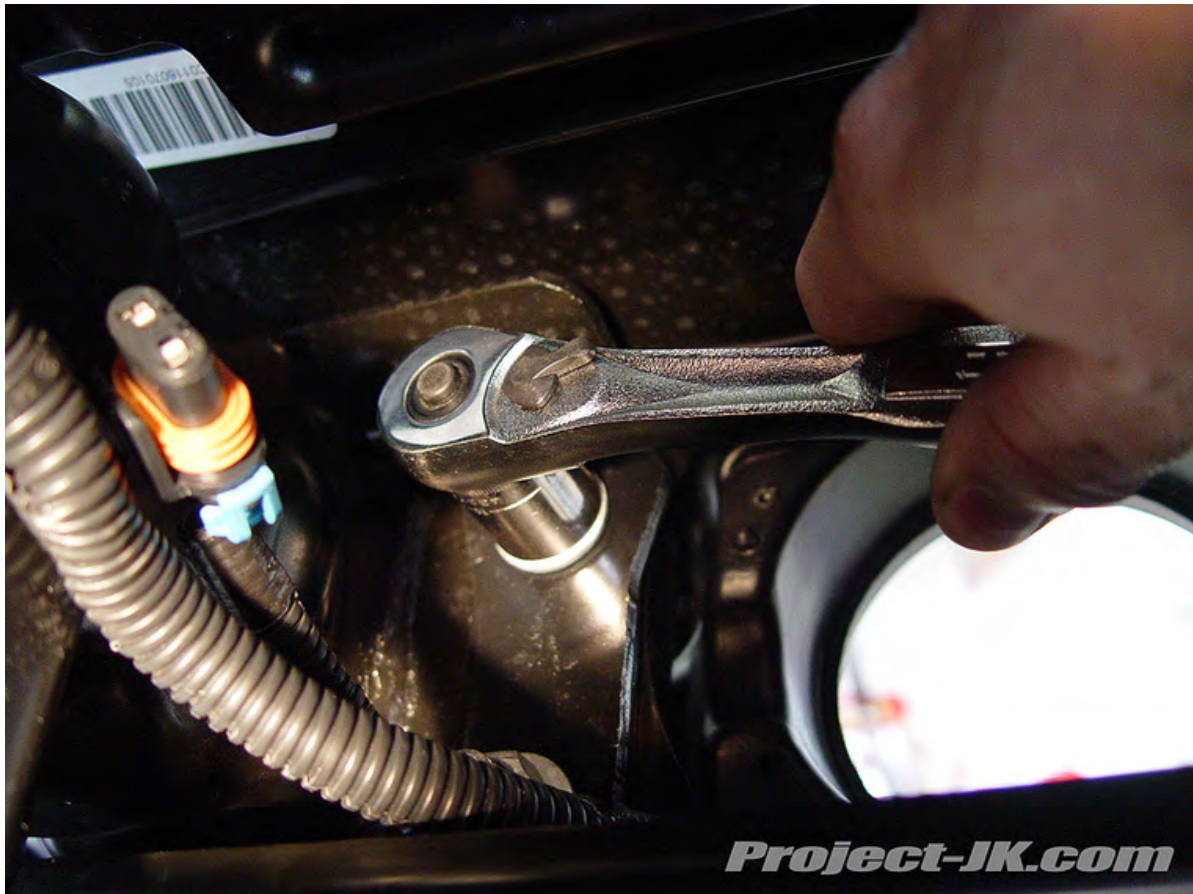
4. If your JK came equipped with factory fog lights, climb under the front of your Jeep, look up behind the front bumper, locate the wiring harness plug, lift up the clip and then pull it off as shown in this photo.

5. Using a pair of needle nose pliers, pry off all the fog light wiring harness connectors on the back of your JK's front bumper.



6. Using an 18mm socket, remove the 4 bumper mounting nuts (2 on each side) located next to the inside of your JK's frame rails and fog light holes.

7. Using an 18mm socket, remove the 4 bumper mounting nuts (2 on each side) located next to the outside of your JK's frame rails.



8. Remove the backing plates off the bumper mounting studs as shown in this photo.



9. Carefully pull the front bumper off the frame rails. If your JK came equipped with factory tow hooks, grab and use both of them to carefully pull your front bumper off the frame rails.





10. Using a phillips screwdriver, remove the 2 plastic screws securing the top plastic cover in place.



11. Again, if you find these screws to just spin in place, use a flathead screwdriver or small pry bar to help you lift up the cover off the frame rail and force the screw out.



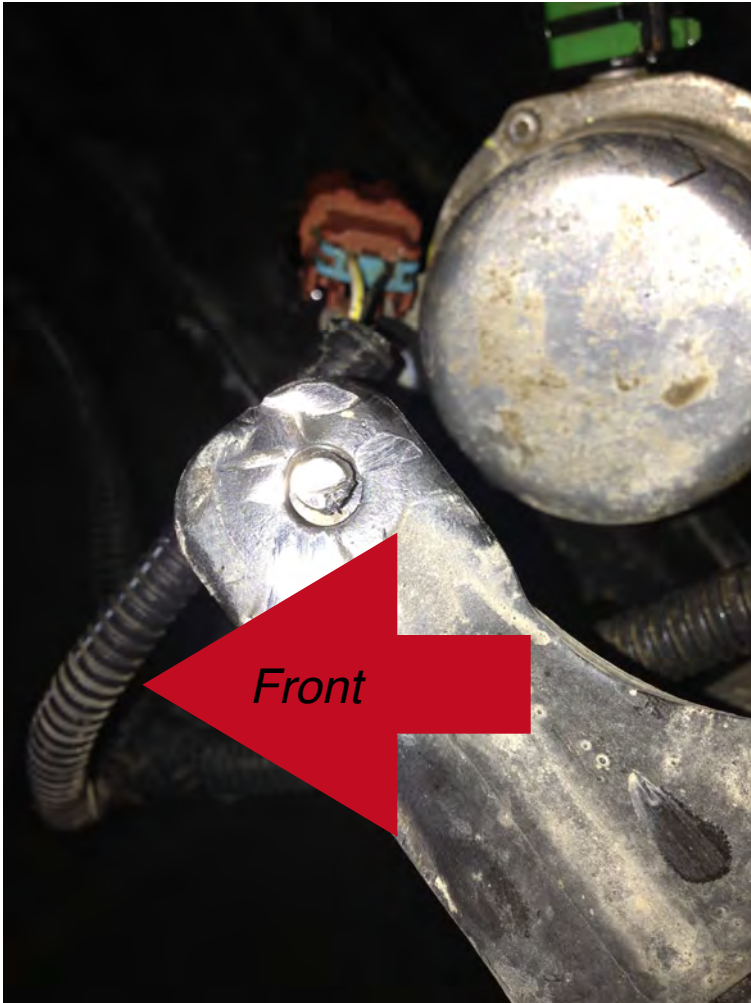
12. Locate the Vacuum Canister and remove the 2 10mm nuts securing the canister to the mount.



13. Remove the canister by lifting, the canister will slide upwards off of the mounting bolts.



14. Set the canister aside and proceed to grind off the mounting bolts. Next, drill through the bolt (1/4" drill bit) to create a place to remount the canister.



15. Using 2 50mm long M6 x 1.0 bolts and the nuts you removed, remount the canister BELOW the existing bracket and tighten.

